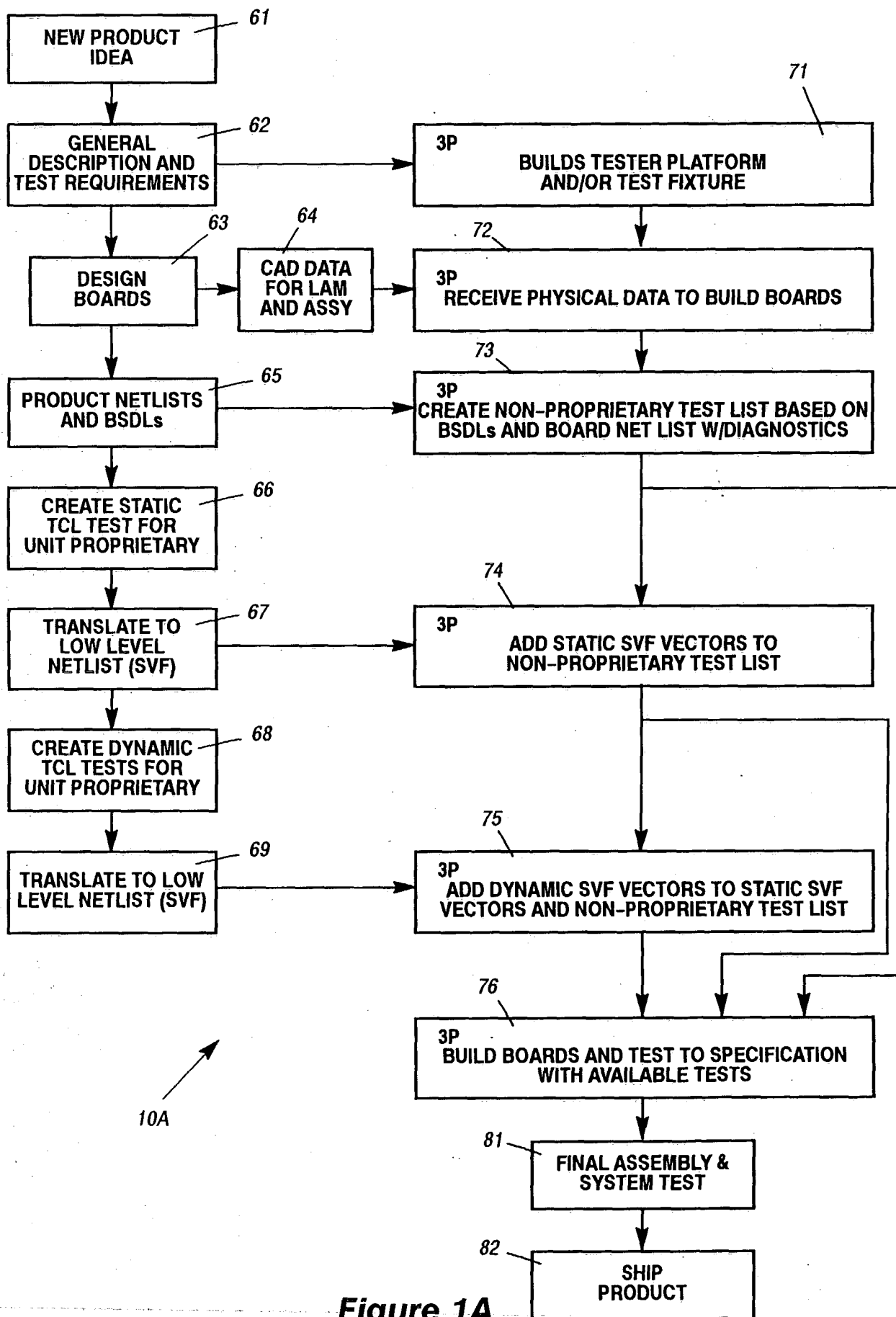
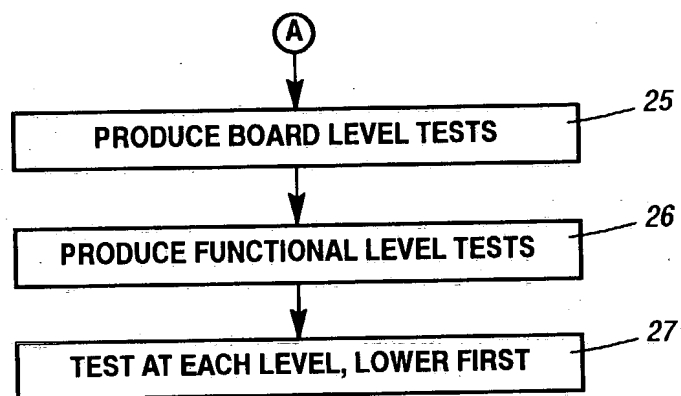


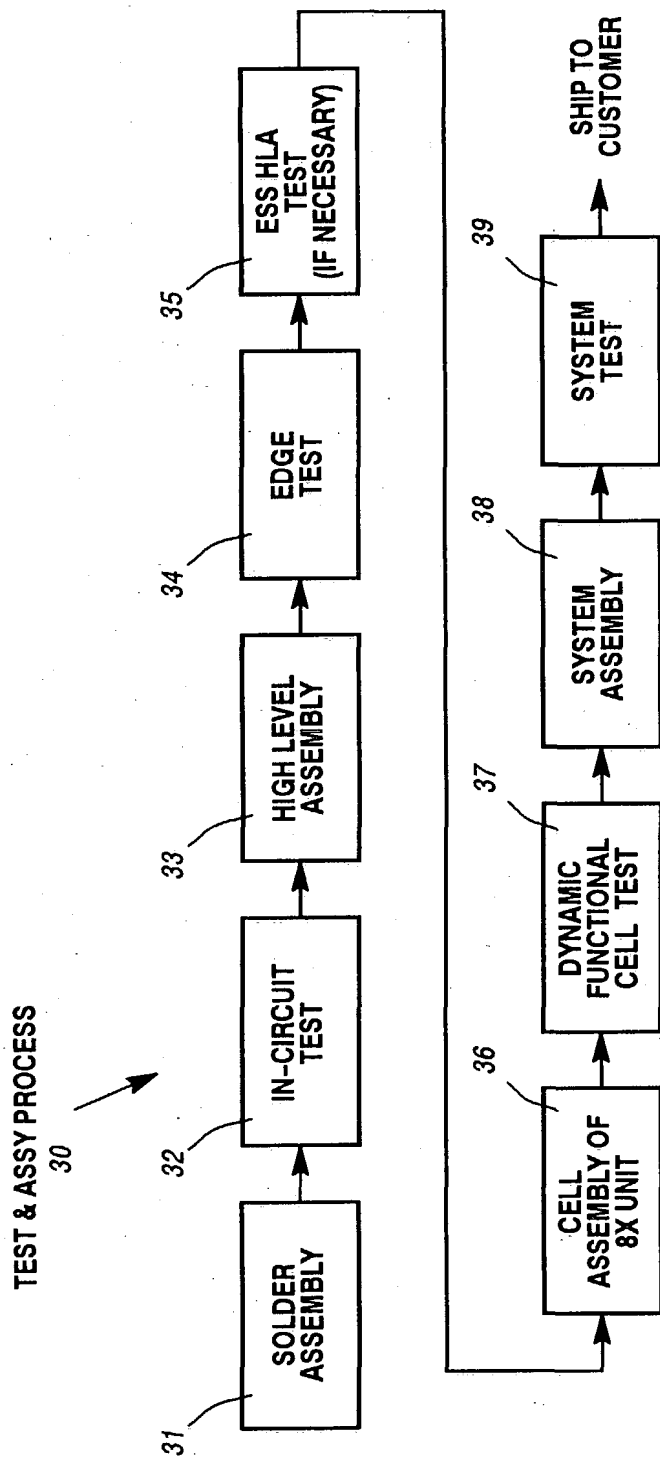
**Figure 1**



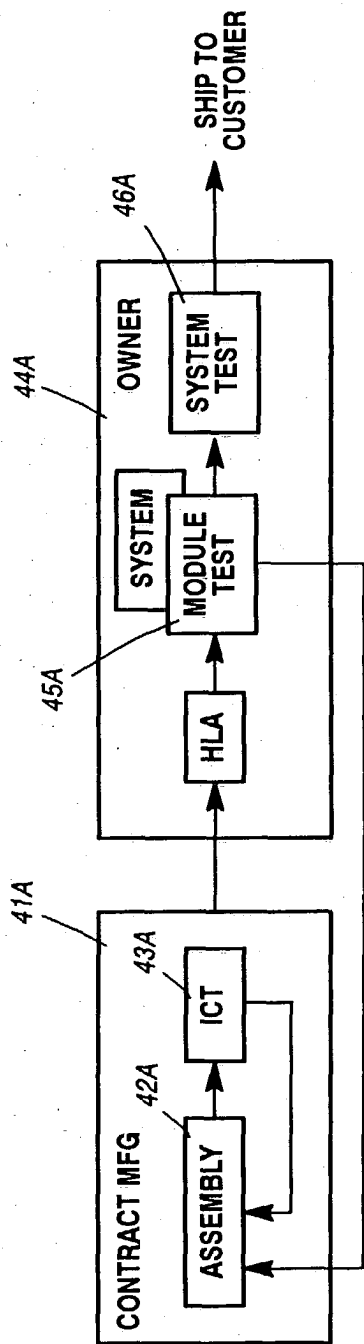
**Figure 1A**



**Figure 2**

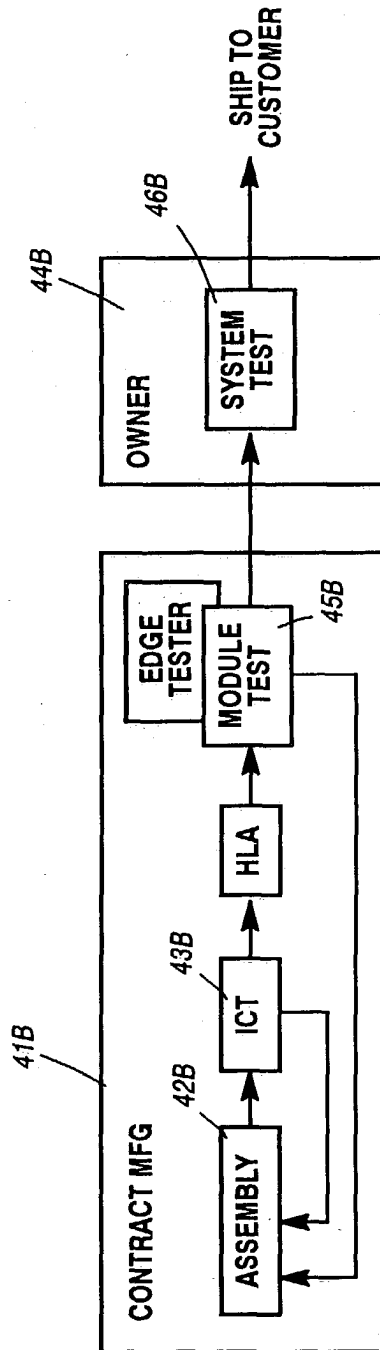


**Figure 3**



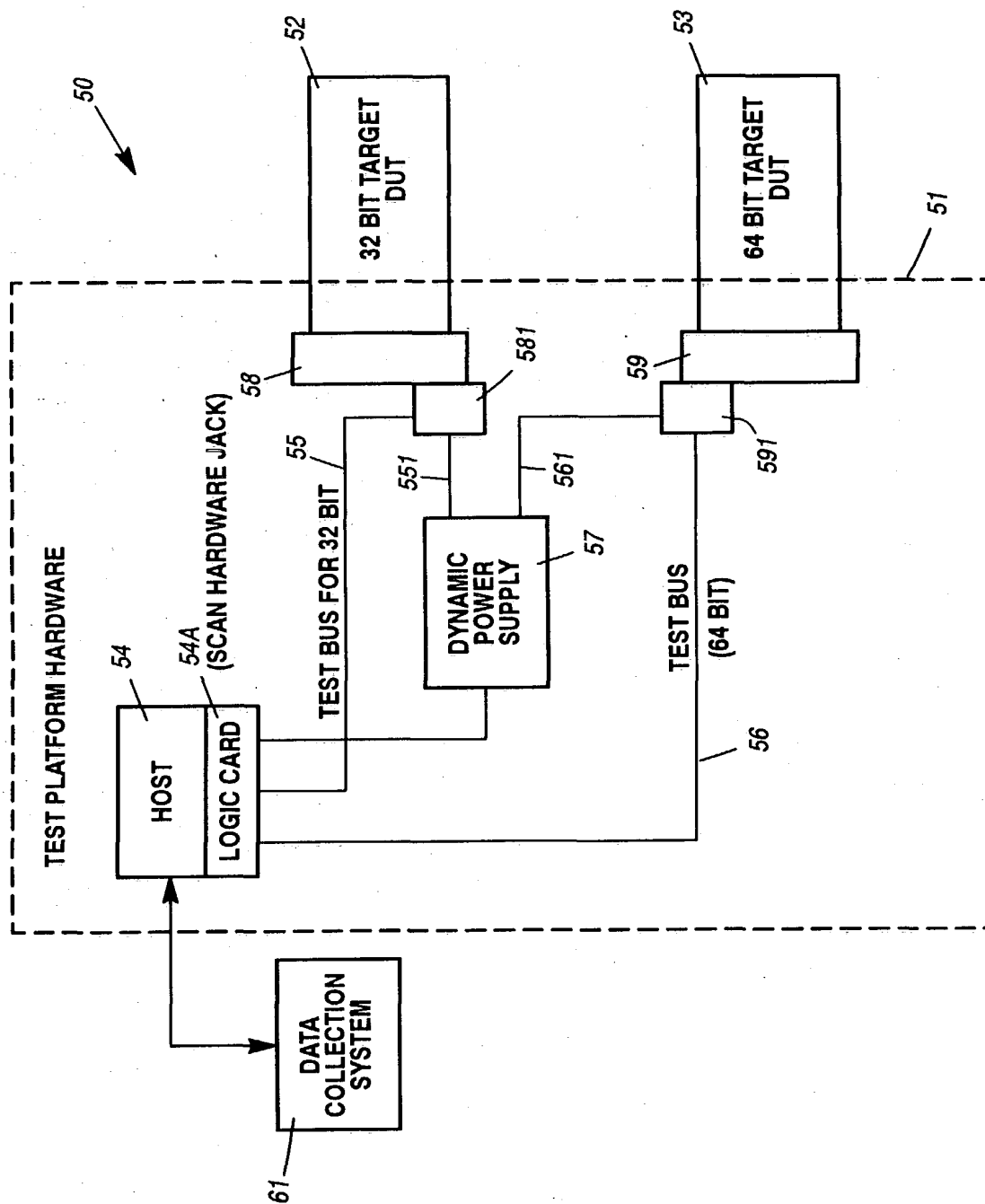
**Figure 4A**

*Prior Art*

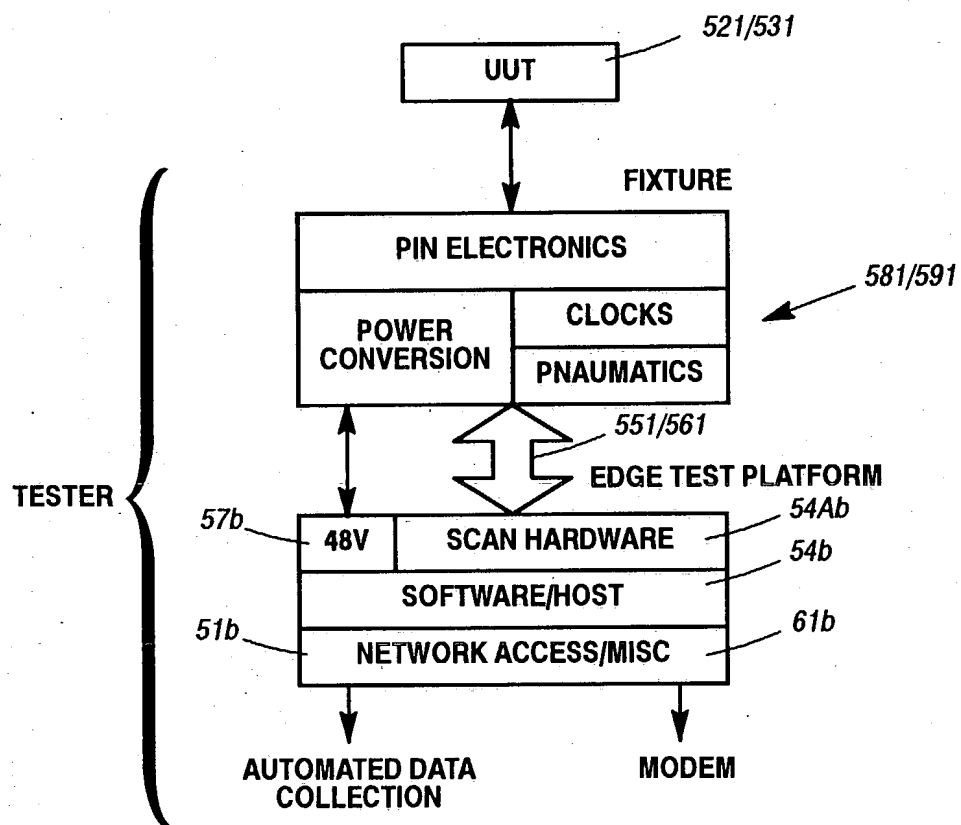


**Figure 4B**

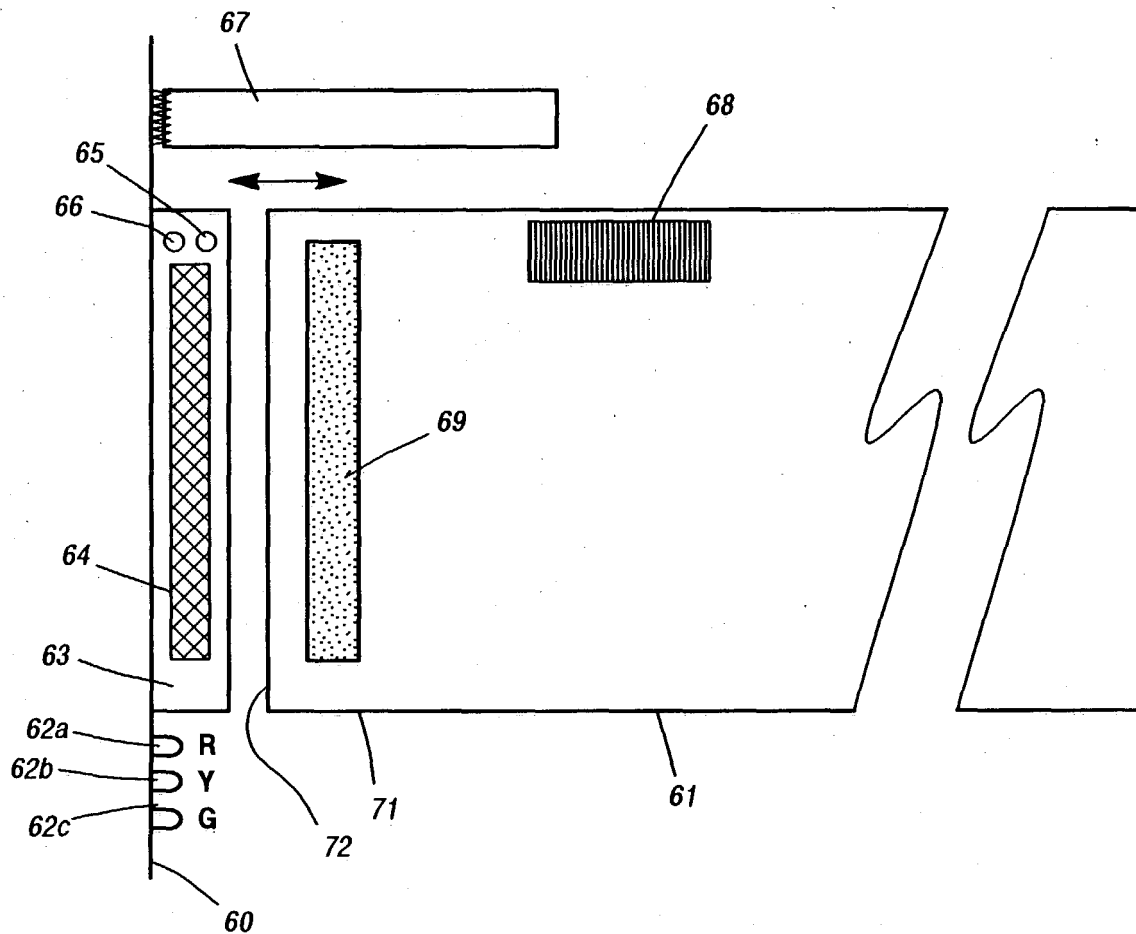
**FASTER FEEDBACK (DECREASED INVENTORY, QUICKER LEARNING, BETTER YIELD)  
IMPROVED DATA COLLECTION**



**Figure 5A**

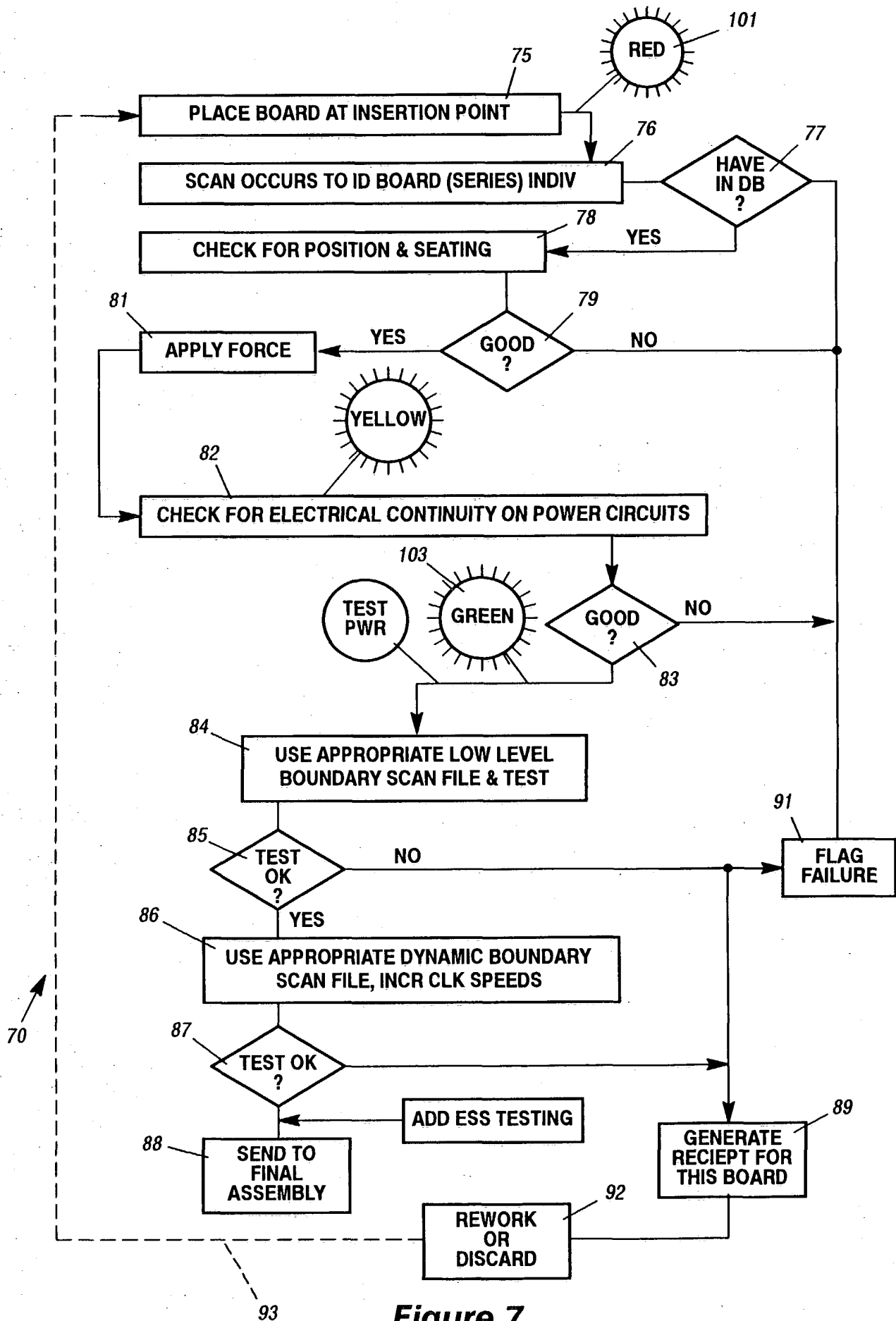


**Figure 5B**

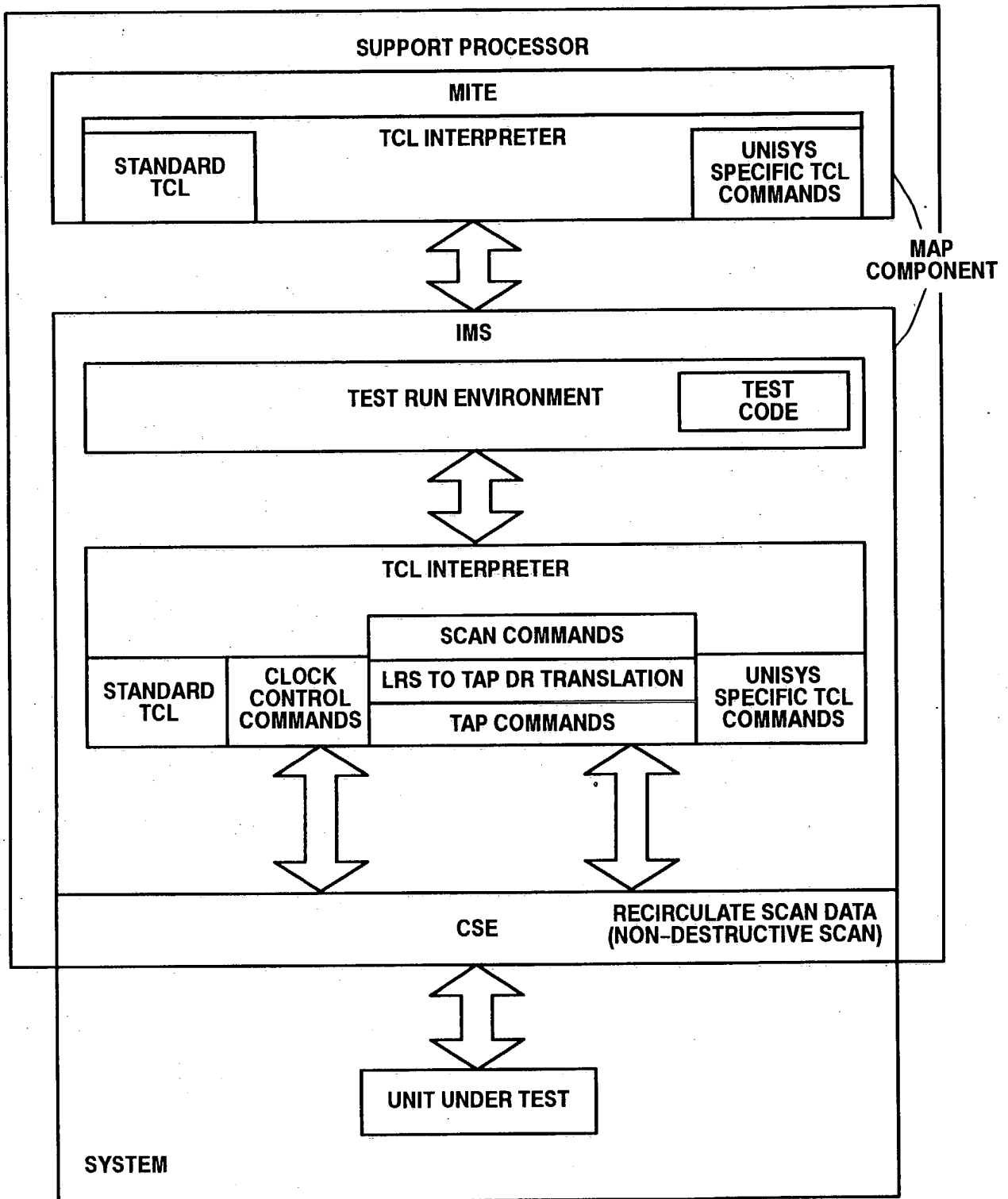


**Figure 6**



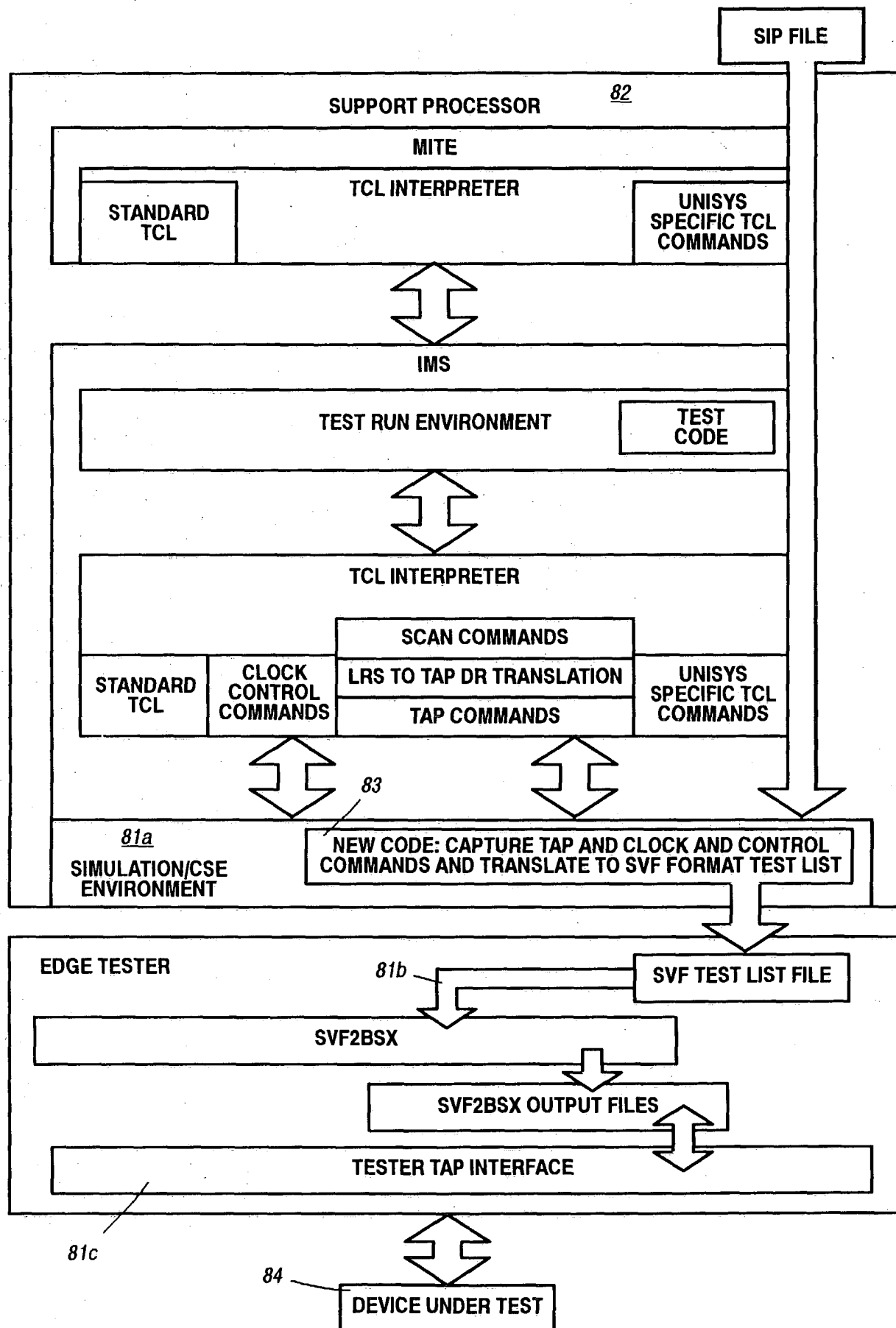


**Figure 7**



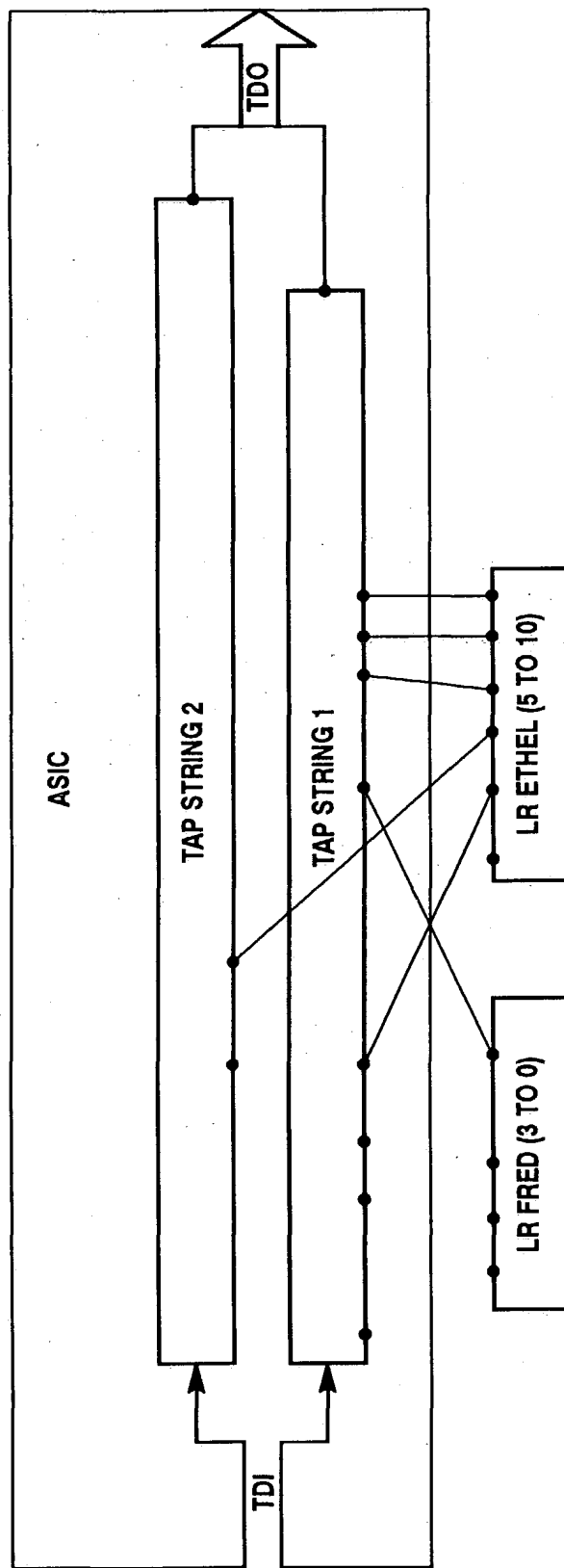
(IN-HOUSE TESTING)

Figure 8A

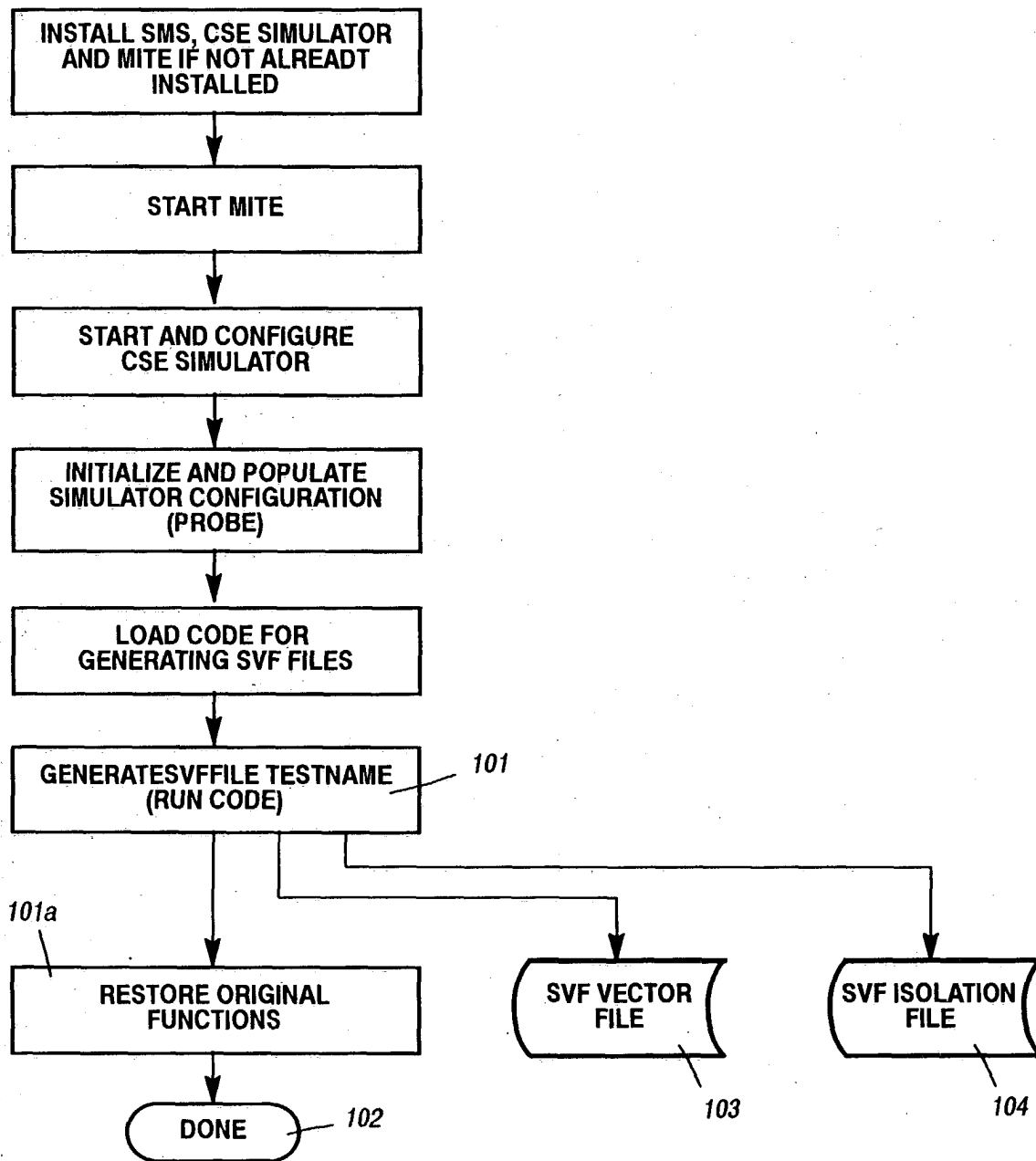


(THIRD PARTY-ENABLED TESTING)

Figure 8B

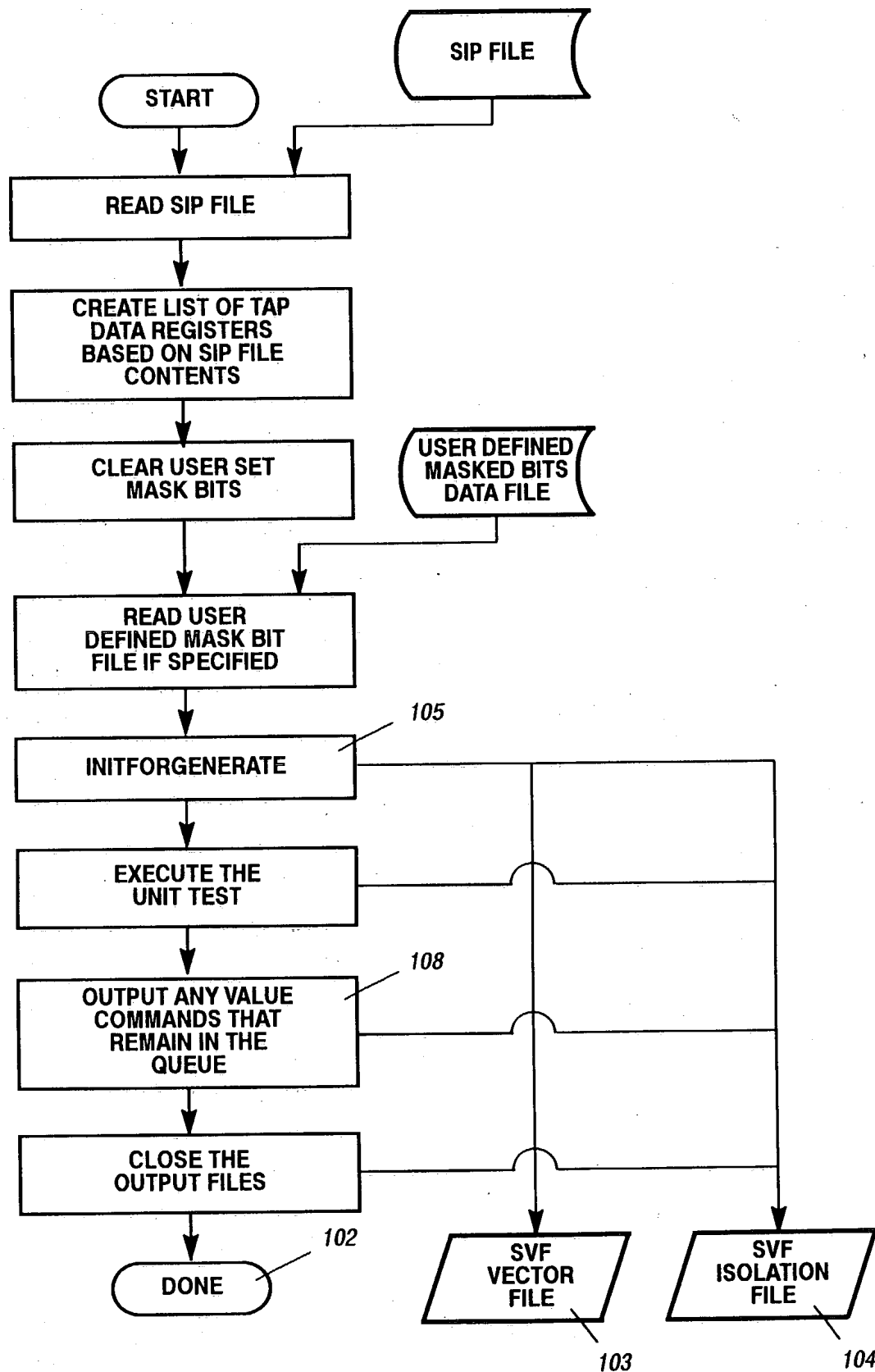


**Figure 9**



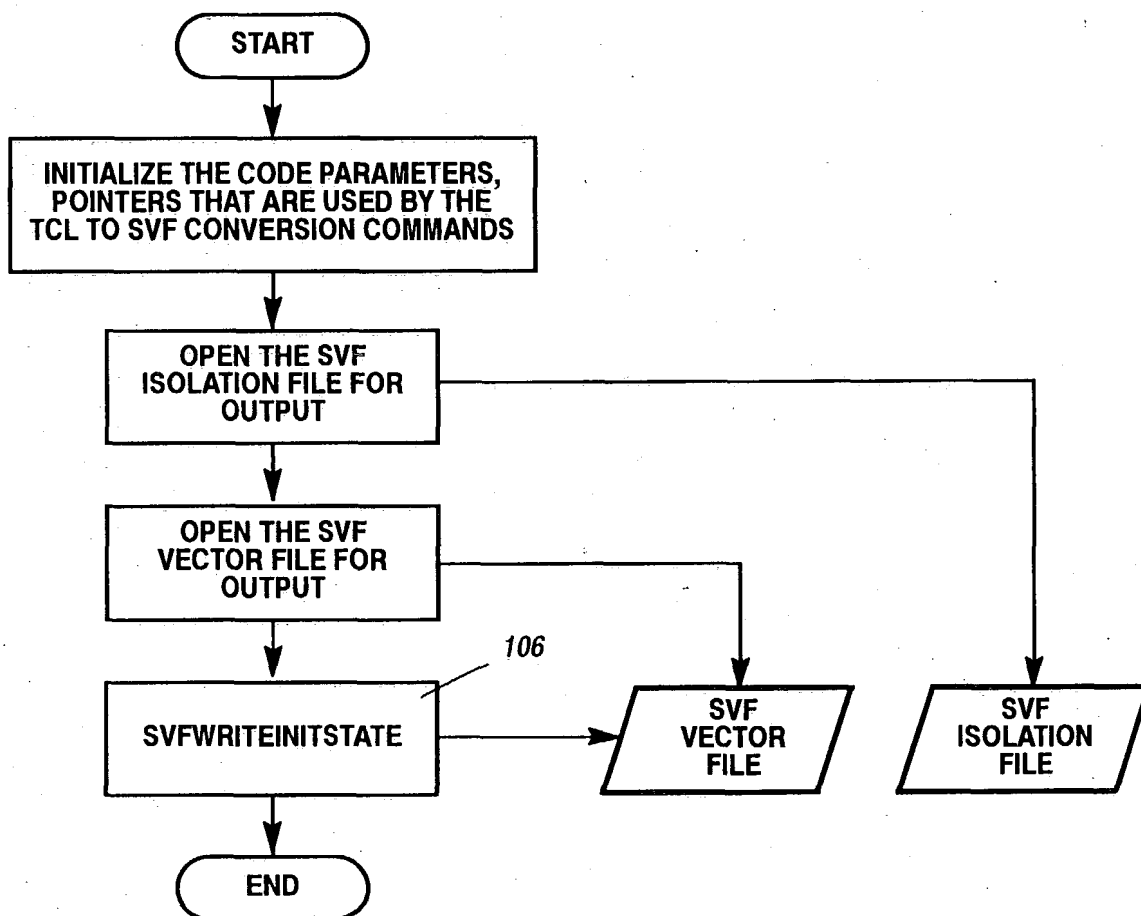
## UNIT TEST TO SVF FORMAT CONVERSION PROCESS

**Figure 10A**



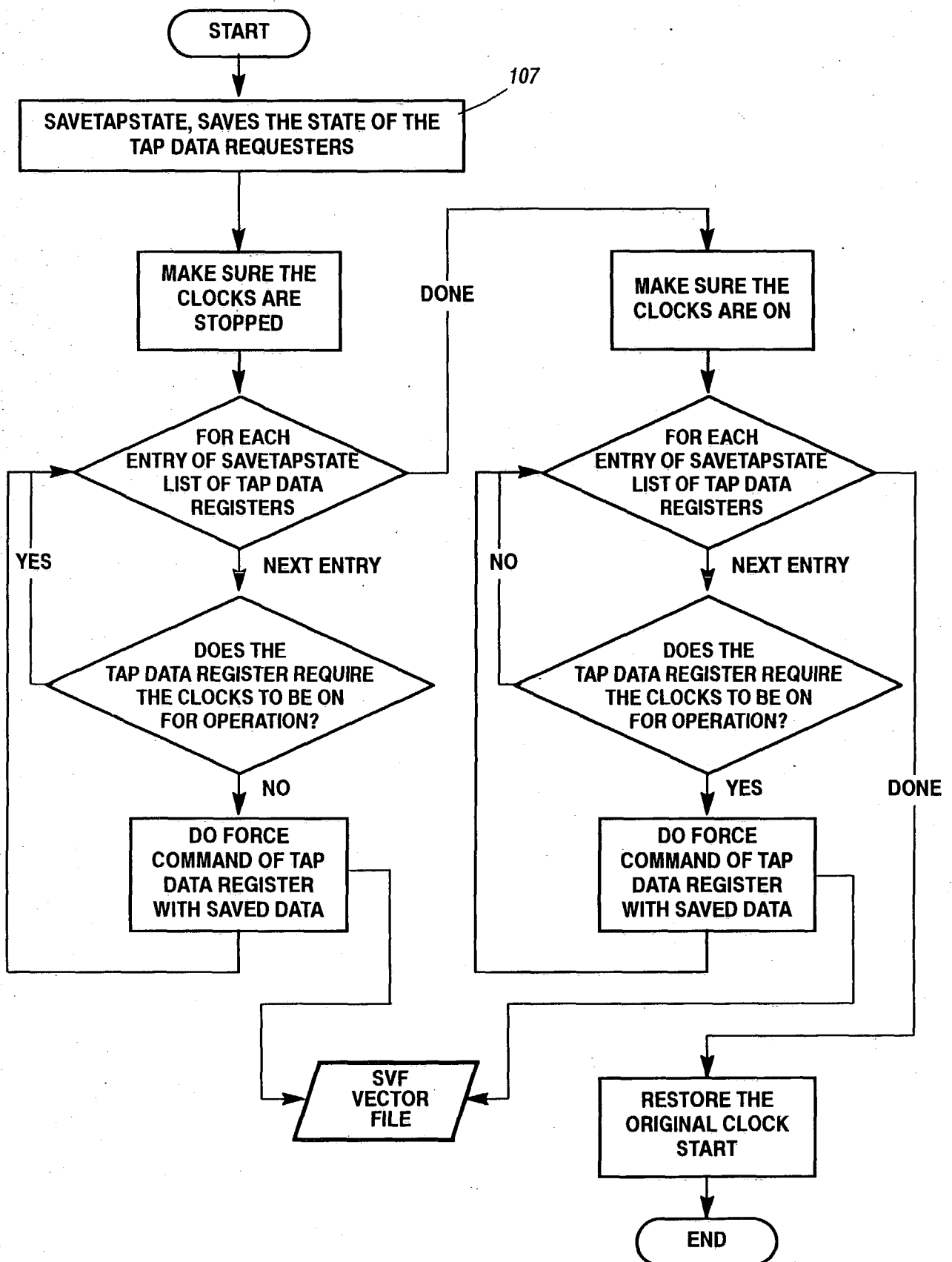
GENERATESVFFILE FLOWCHART

**Figure 10B**



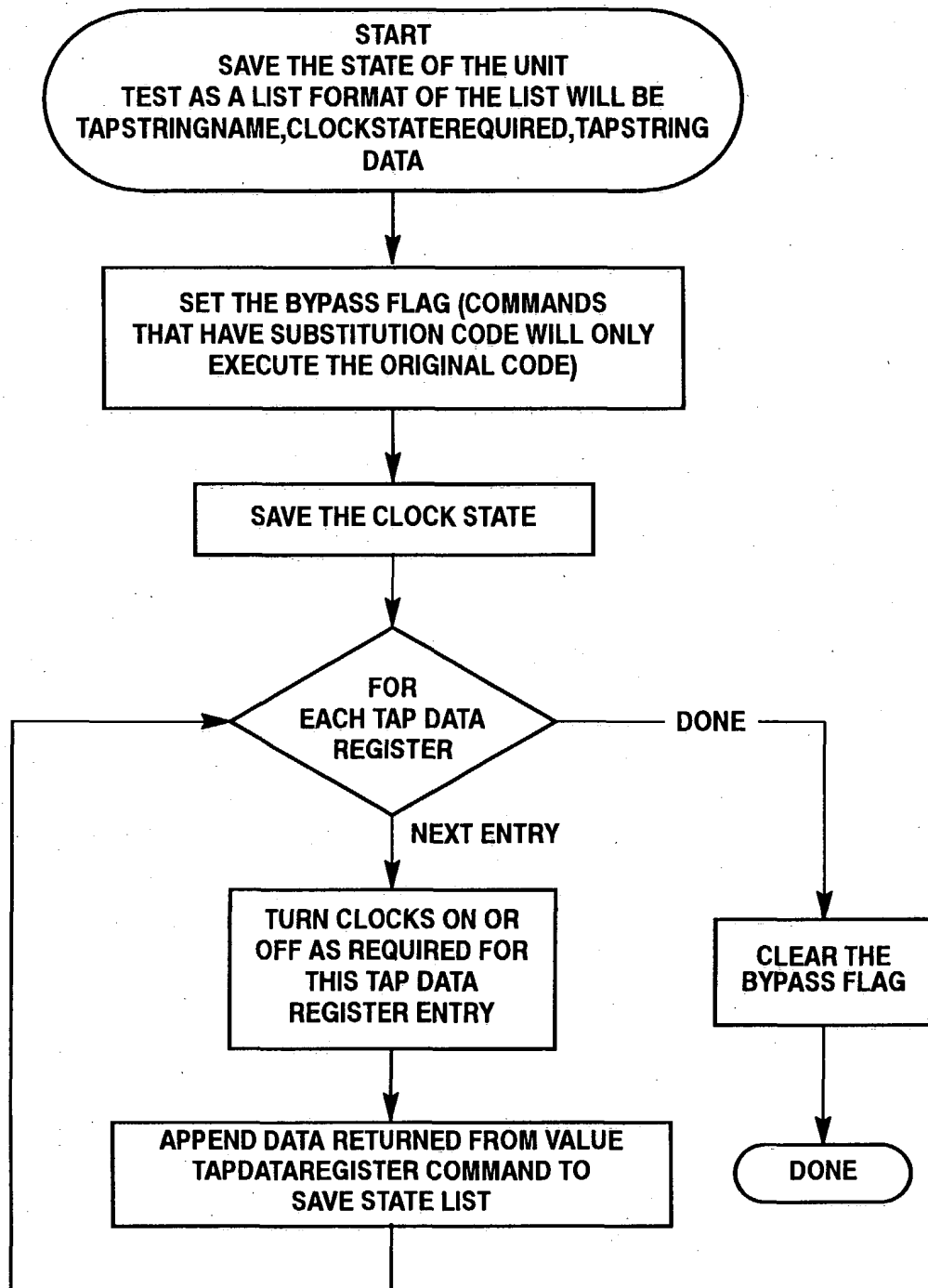
**TCL CODE FOR INITFORGENERATE COMMAND FOR TCL  
TO SVF FORMAT CONVERSION**

**Figure 10C**



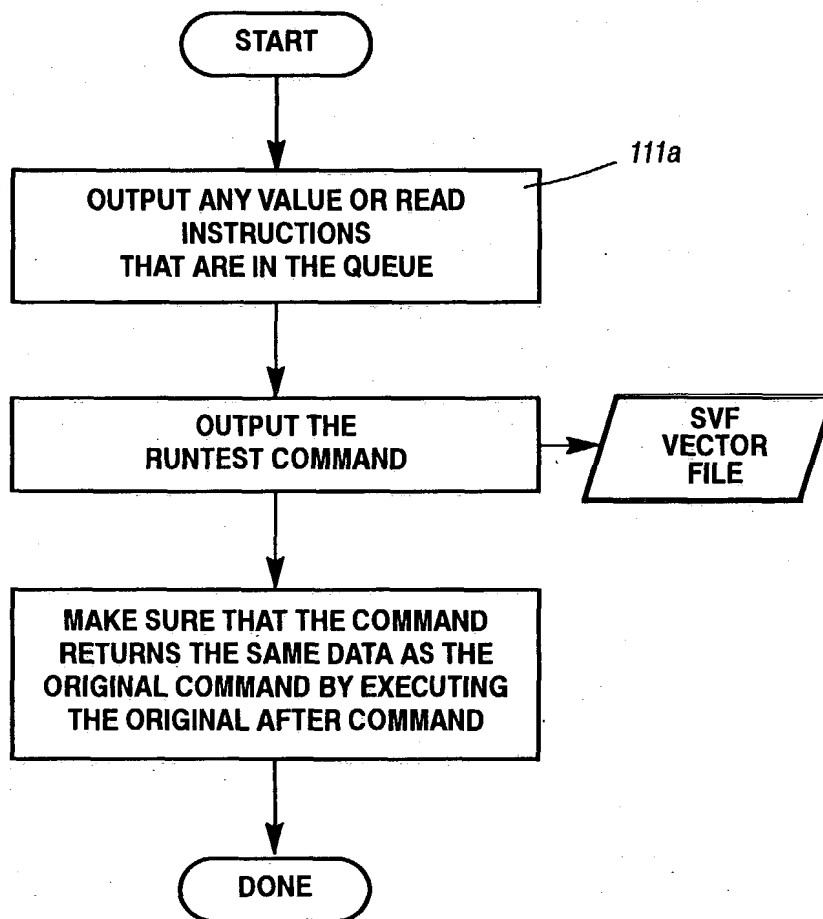
**TCL WRITEINITSTATE COMMAND FOR SVF TO TCL CONVERSION**  
**Figure 10D**



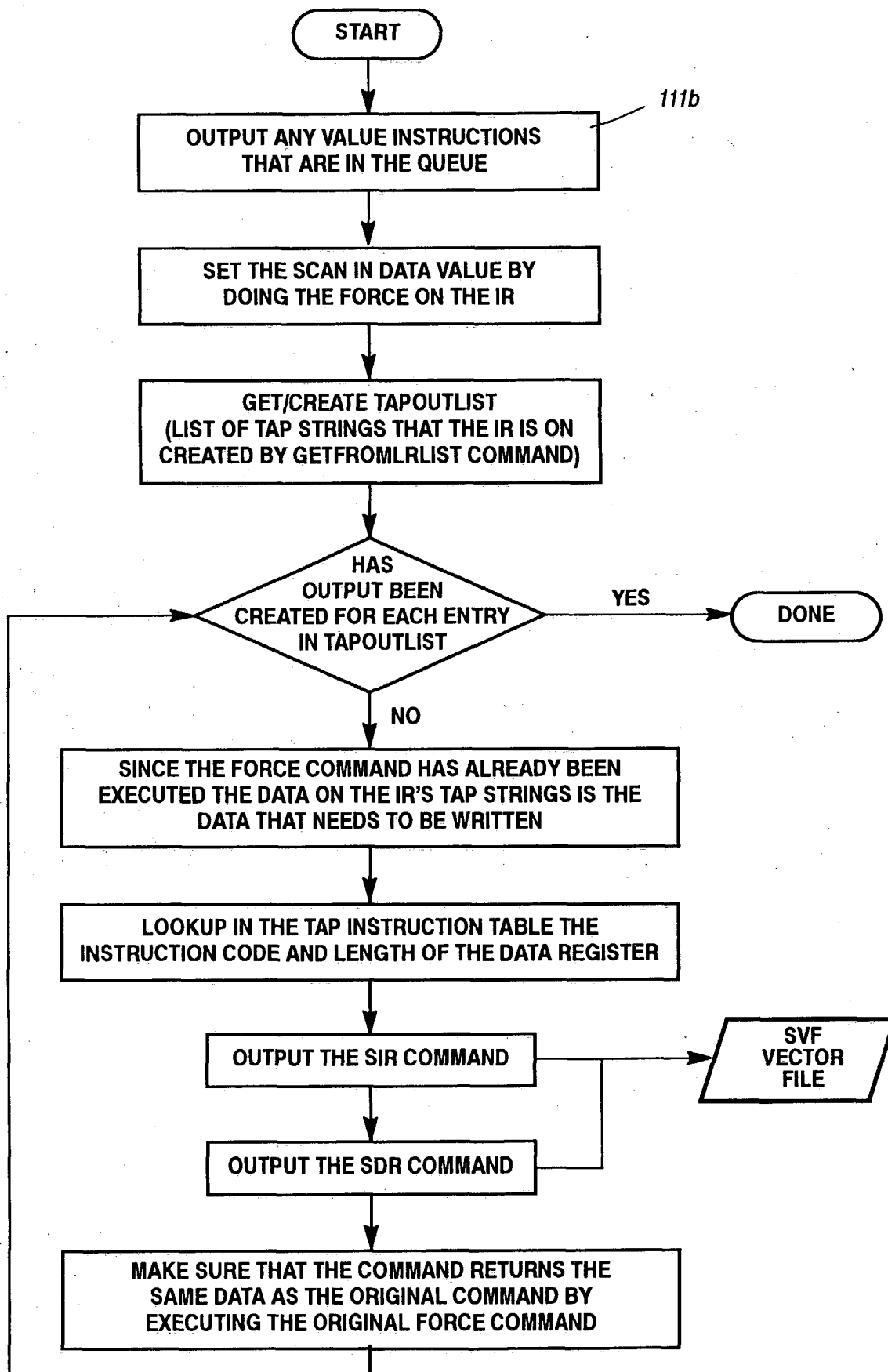


**SAVE STATE TEL COMMAND FOR TEL TO SVF CONVERSION**

**Figure 10E**

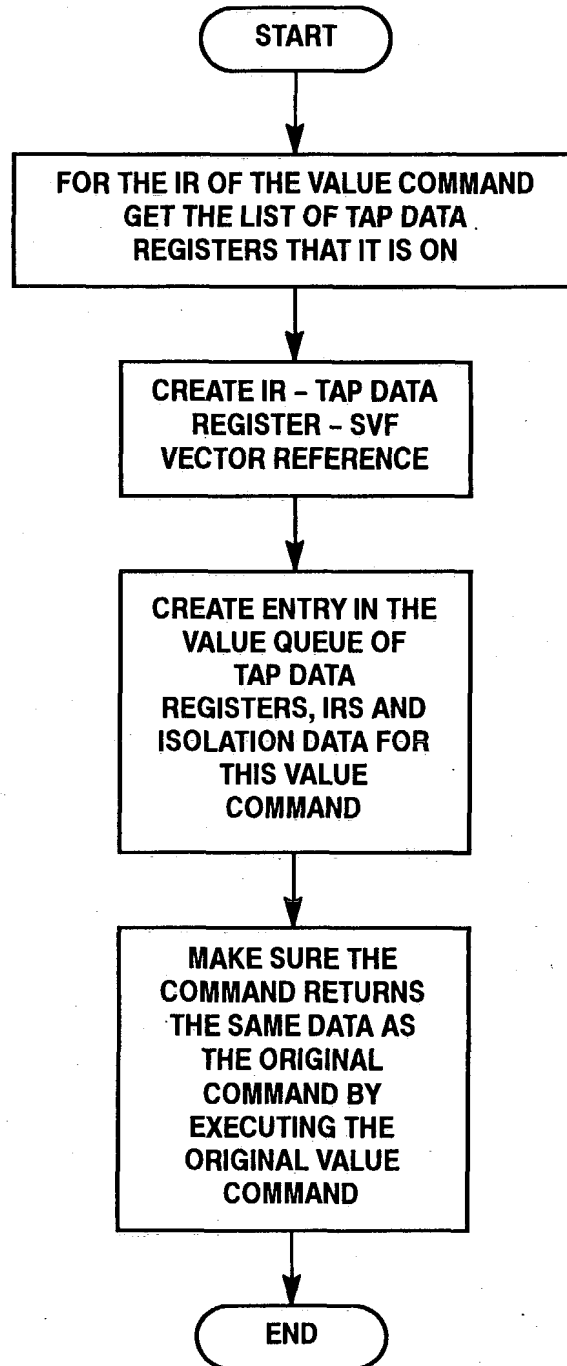


**TCL CODE TO CONVERT AFTER COMMAND TO SVF FORMAT**  
**Figure 10F**



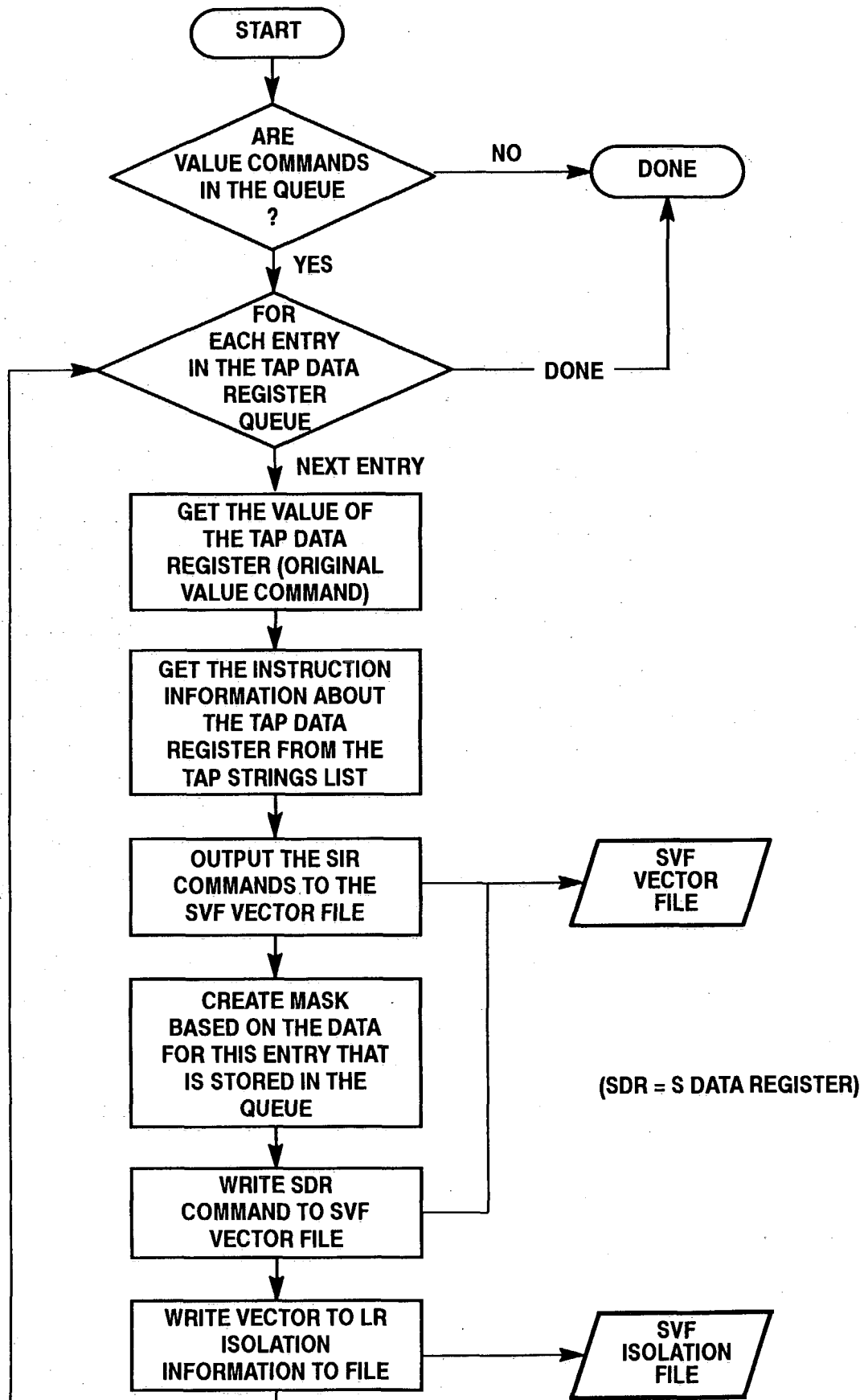
**TCL CODE TO CONVERT FORCE COMMAND TO SVF FORMAT**

**Figure 10G**



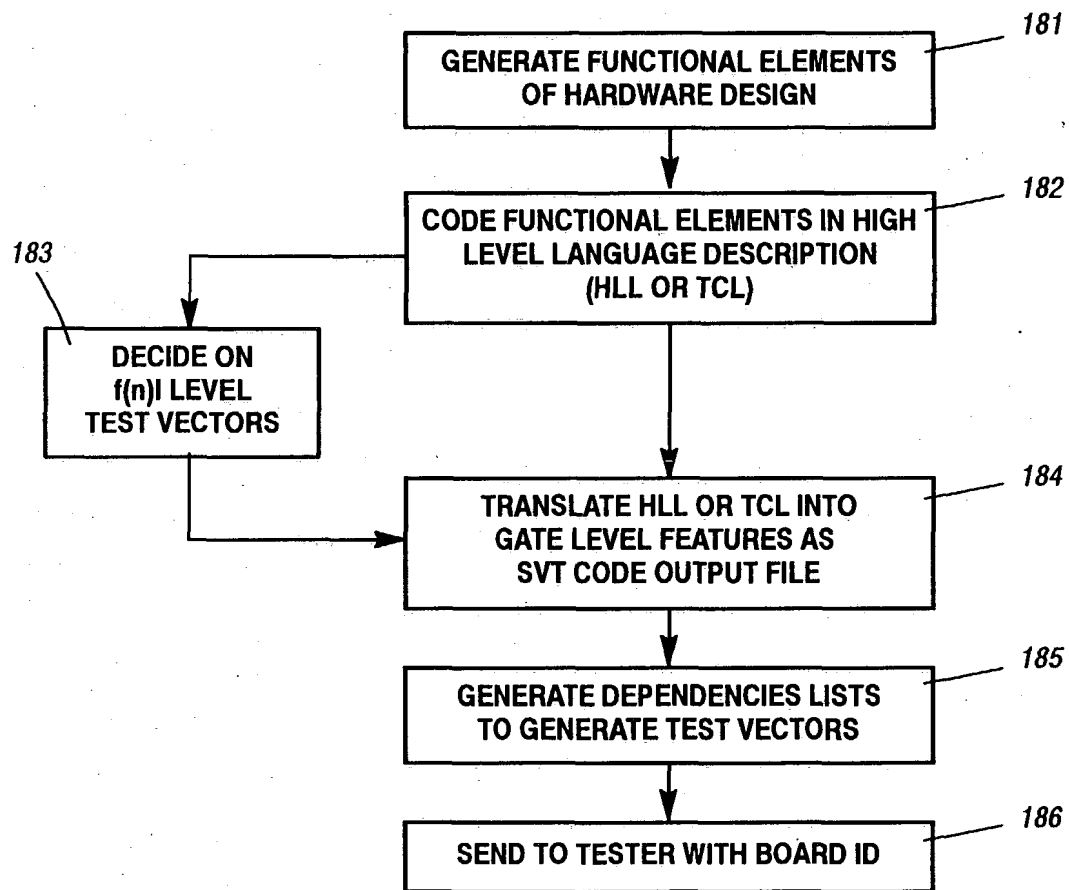
**TCL CODE TO CONVERT VALUE COMMAND TO SVF FORMAT**

**Figure 10H**



**EXPANSION OF OUTPUT VALUE INSTRUCTIONS IN QUEUE  
(IIIa AND IIIb) FROM FIG. 10F AND 10G**

**Figure 10I**



**Figure 11**